

In the Abstract

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ABSTRACT

A continuous casting installation for metals comprises a submerged nozzle surrounded by an annular electromagnet inductor with a magnetic field that rotates around the casting axis, and which drives the molten metal in an axial rotation. The inductor is a polyphase type with a magnetic field passing therethrough and is equipped with a pair of projecting poles (3) per phase. The end of each projecting pole opposite the nozzle is provided with a lateral narrowing which increases the distance separating the polar ends.